

Claim → 24 have been deleted.

Rule 1.126 25.

A method of making a reinforced shrink wrap comprising:

- 2 providing a sheet of thermoplastic and a shrink film;
- 3 placing a reinforcing grid on the sheet of thermoplastic;
- 4 forming a tie layer of elastomeric material between the sheet of thermoplastic
- 5 and the shrink film; and
- 6 laminating the thermoplastic sheet, the shrink film, and the tie layer with the
- 7 reinforcing grid to form a reinforced shrink wrap, whereby the reinforcing grid is
- 8 held by the elastomeric tie layer in between the thermoplastic sheet and the shrink
- 9 film, and the reinforcing grid being disposed via the elastomeric tie layer.

26. A method of making the reinforced shrink wrap of claim 25, further comprising heating the elastomeric material and applying it by extrusion coating to the thermoplastic sheet.

32. The method of claim 25 wherein the shrink film is a highly irradiated polyolefin.

33. The method of claim 32 wherein the highly irradiated polyolefin is polyethylene

34. The method of claim 25 wherein the reinforcing grid is a non-woven scrim.

35. The method of claim 34 wherein the reinforcing grid material is selected from the group consisting of nylon filament and polyester filament from about 200 to about 800 denier.

36. The method of claim 25 wherein the elastomeric tie layer has a lower modulus than the thermoplastic sheet or the shrink film.

37. The method of claim 25 wherein the thermoplastic sheet includes multiple plies of thermoplastic.

38. The method of claim 25 wherein the tie layer is from about 0.75 to about 1.5 mils in thickness.

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The method of claim 25 wherein the thermoplastic sheet and shrink film are from about 0.75 to about 6 mils thick.

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The method of claim 25 wherein the thermoplastic sheet or shrink film includes an additive selected from the group consisting of ultraviolet stabilizer, flame retardant, static inhibitor, color additive, antioxidant, corrosion inhibitor, biocide and mixtures thereof.

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The method of claim 25 wherein the tie layer includes an additive selected from the group consisting of ultraviolet stabilizer, flame retardant, static inhibitor, color additive, antioxidant, corrosion inhibitor, biocide and mixtures thereof.

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The method of claim 37 wherein at least one ply of thermoplastic contains an additive selected from the group consisting of ultraviolet stabilizer, flame retardant, static inhibitor, color additive, antioxidant, corrosion inhibitor, biocide and mixtures thereof.

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The method of claim 33 wherein the polyethylene is selected from the group consisting of linear low density polyethylene, low density polyethylene and mixtures thereof.

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A method of making a multi-layered reinforced shrink wrap comprising:

providing at least three layers of thermoplastic;

at least one of the thermoplastic layers is a shrink film of highly irradiated

polyolefin; and

laminating at least two tie layers of elastomeric material alternatively

disposed between the thermoplastic layers, each holding a reinforcing grid but

allowing slippage of the reinforcing grid in the tie layer upon tensile loading.

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The method of claim 44 wherein the shrink film of highly irradiated polyolefin is polyethylene.

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The method of claim 44 wherein the reinforcing grid is a non-woven scrim.

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The method of claim 44 wherein the reinforcing grid is selected from the group consisting of nylon filament and polyester filament from about 200 to about 800 denier.

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The method of claim 44 wherein the elastomeric tie layers have a lower modulus than at least one of the thermoplastic layers.

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The method of claim 44 wherein at least one of said thermoplastic layers includes multiple thermoplastic plies.

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The method of claim 44 wherein each of the tie layers is from about 0.75 to about 1.5 mils in thickness.

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The method of claim 44 wherein the thermoplastic layers are from about 0.75 to about 6 mils thick.

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The method of claim 44 wherein at least one of the thermoplastic layers contains an additive selected from the group consisting of ultraviolet stabilizer, flame retardant, static inhibitor, color additive, antioxidant, corrosion inhibitor, biocide and mixtures thereof.